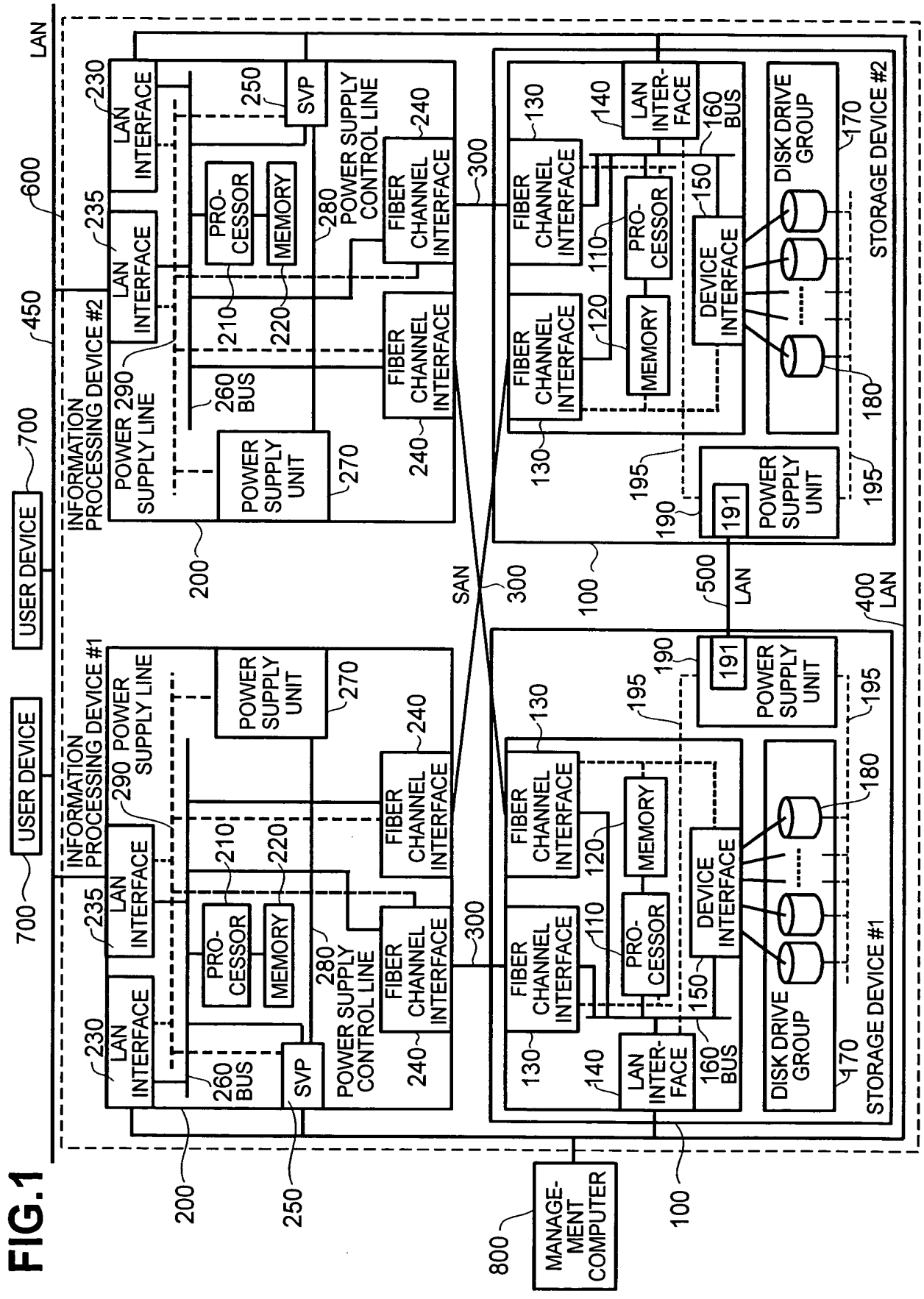

LAN
600
USER DEVICE
700
450
INFORMATION PROCESSING DEVICE #2
POWER SUPPLY LINE
290
LAN INTERFACE
230
235
PRO-CESSOR
MEMORY
210
220
SVP
250
260 BUS
POWER SUPPLY CONTROL LINE
280
FIBER CHANNEL INTERFACE
240
POWER SUPPLY UNIT
270
200
SAN
300
FIBER CHANNEL INTERFACE
130
120
110
LAN INTER-FACE
140
160 BUS
DEVICE INTERFACE
150
DISK DRIVE GROUP
170
180
STORAGE DEVICE #2
100
190
191
195
500
LAN
400
INFORMATION PROCESSING DEVICE #1
STORAGE DEVICE #1
MANAGE-MENT COMPUTER
800

FIG.1

FIG.2

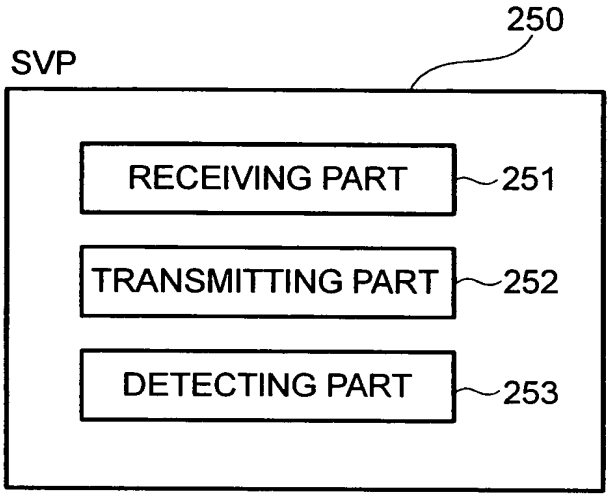


FIG.3

INFORMATION PROCESSING DEVICE	IP ADDRESS	POWER-ON REPORT	POWER-STOP REPORT
#1	192.168.0.10	○	○
#2	192.168.0.11	○	×
⋮	⋮	⋮	⋮

FIG.4

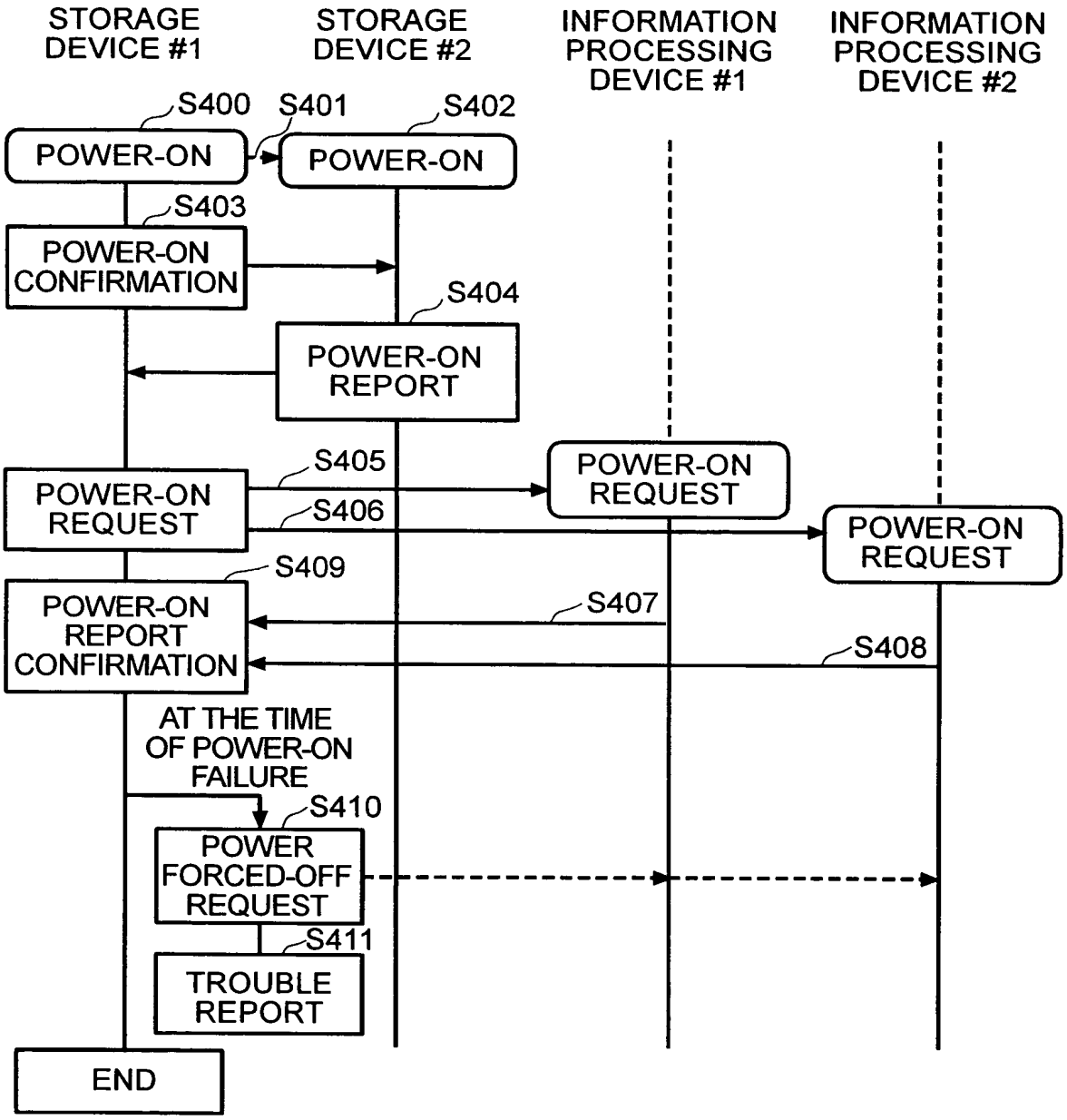

STORAGE DEVICE #1
STORAGE DEVICE #2
INFORMATION PROCESSING DEVICE #1
INFORMATION PROCESSING DEVICE #2
S400
S401
S402
POWER-ON
POWER-ON
S403
POWER-ON CONFIRMATION
S404
POWER-ON REPORT
S405
POWER-ON REQUEST
POWER-ON REQUEST
S406
POWER-ON REQUEST
S409
S407
POWER-ON REPORT CONFIRMATION
S408
AT THE TIME OF POWER-ON FAILURE
S410
POWER FORCED-OFF REQUEST
S411
TROUBLE REPORT
END

FIG.5

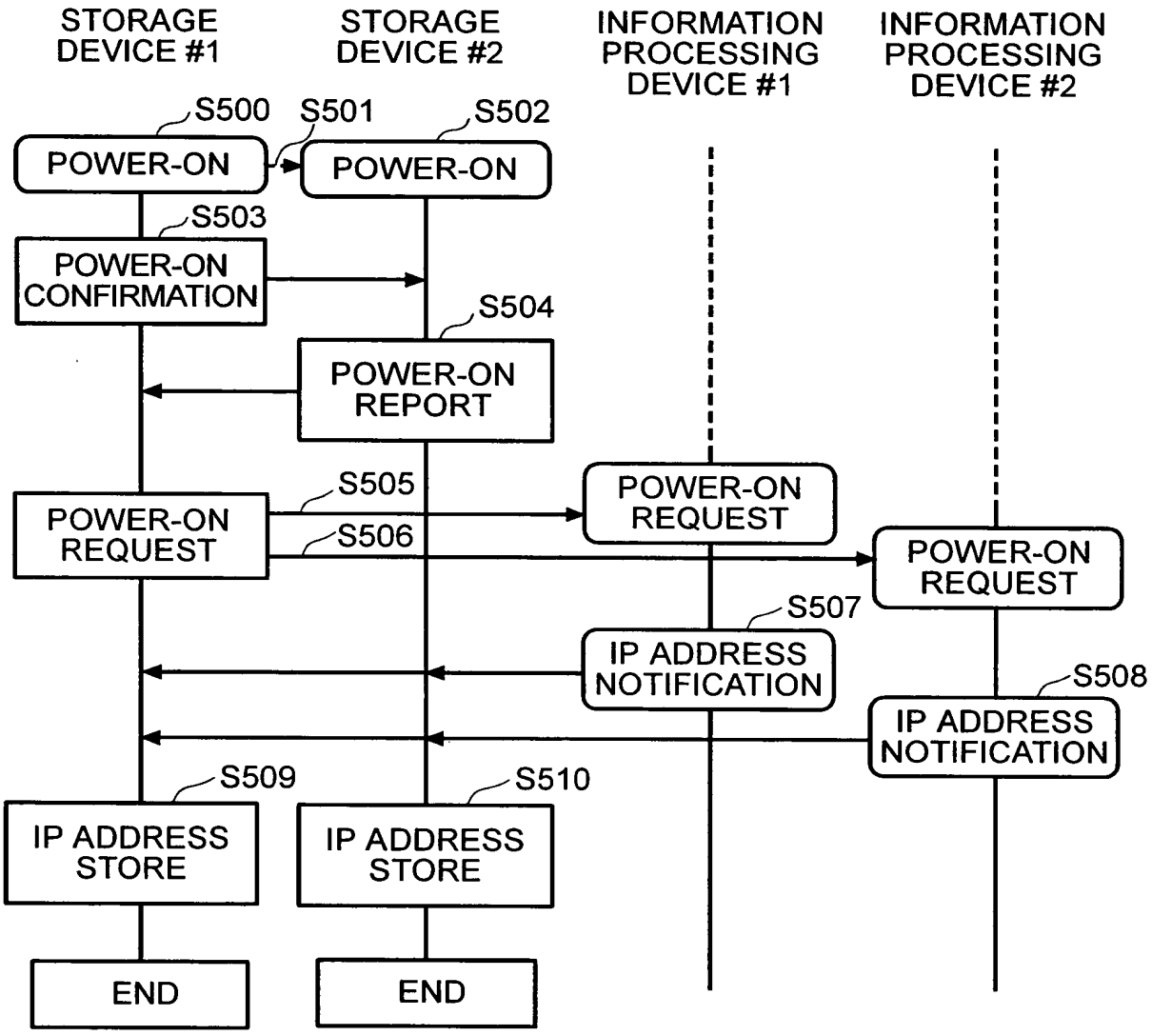

STORAGE DEVICE #1
STORAGE DEVICE #2
INFORMATION PROCESSING DEVICE #1
INFORMATION PROCESSING DEVICE #2
S500
S501
S502
POWER-ON
POWER-ON
S503
POWER-ON CONFIRMATION
S504
POWER-ON REPORT
S505
POWER-ON REQUEST
POWER-ON REQUEST
S506
POWER-ON REQUEST
S507
IP ADDRESS NOTIFICATION
S508
IP ADDRESS NOTIFICATION
S509
S510
IP ADDRESS STORE
IP ADDRESS STORE
END
END

FIG.6

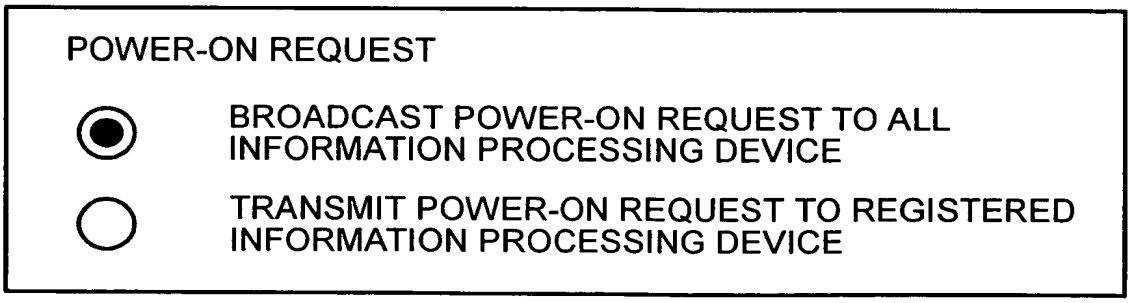

POWER-ON REQUEST
BROADCAST POWER-ON REQUEST TO ALL INFORMATION PROCESSING DEVICE
TRANSMIT POWER-ON REQUEST TO REGISTERED INFORMATION PROCESSING DEVICE

FIG.7

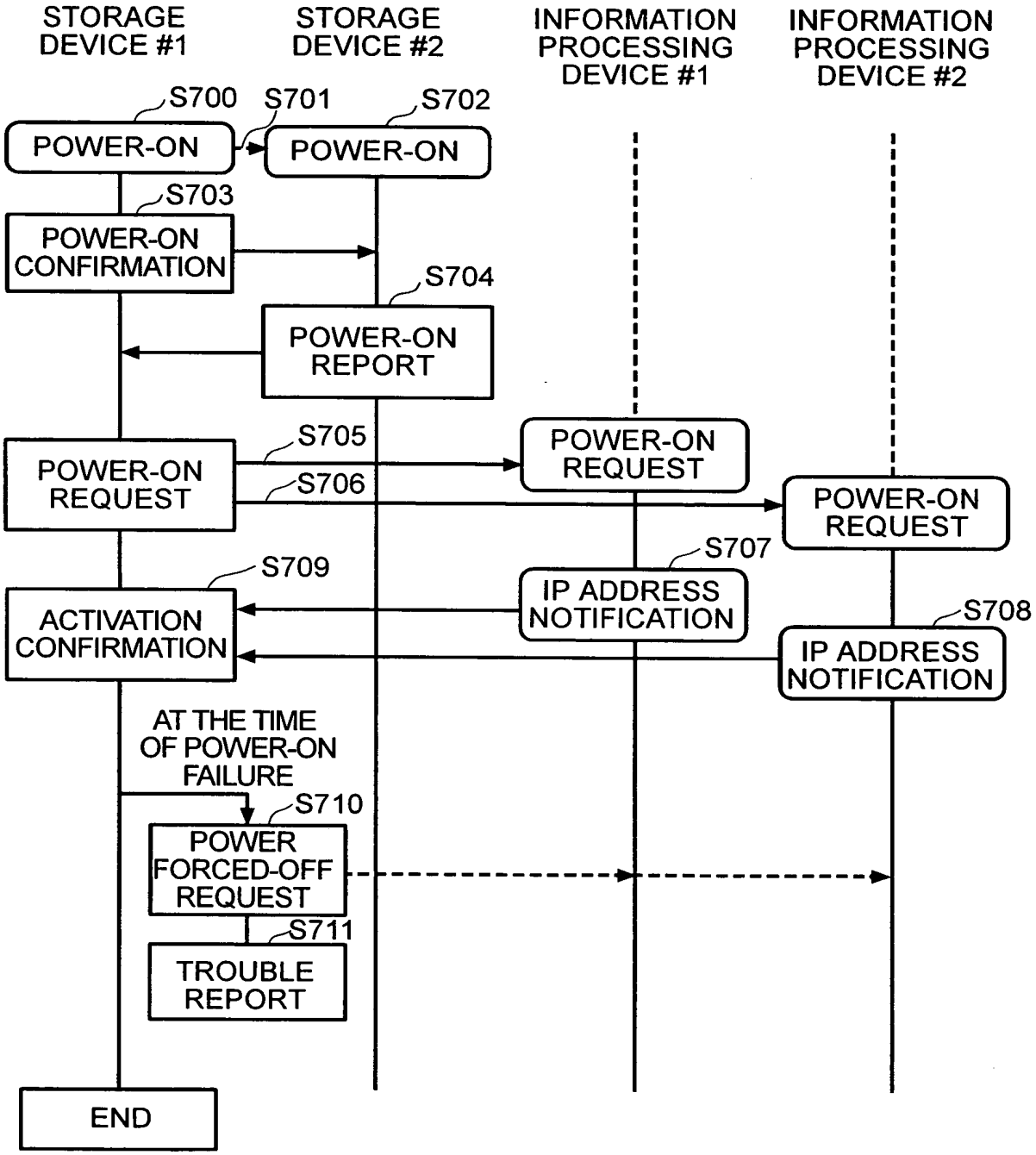
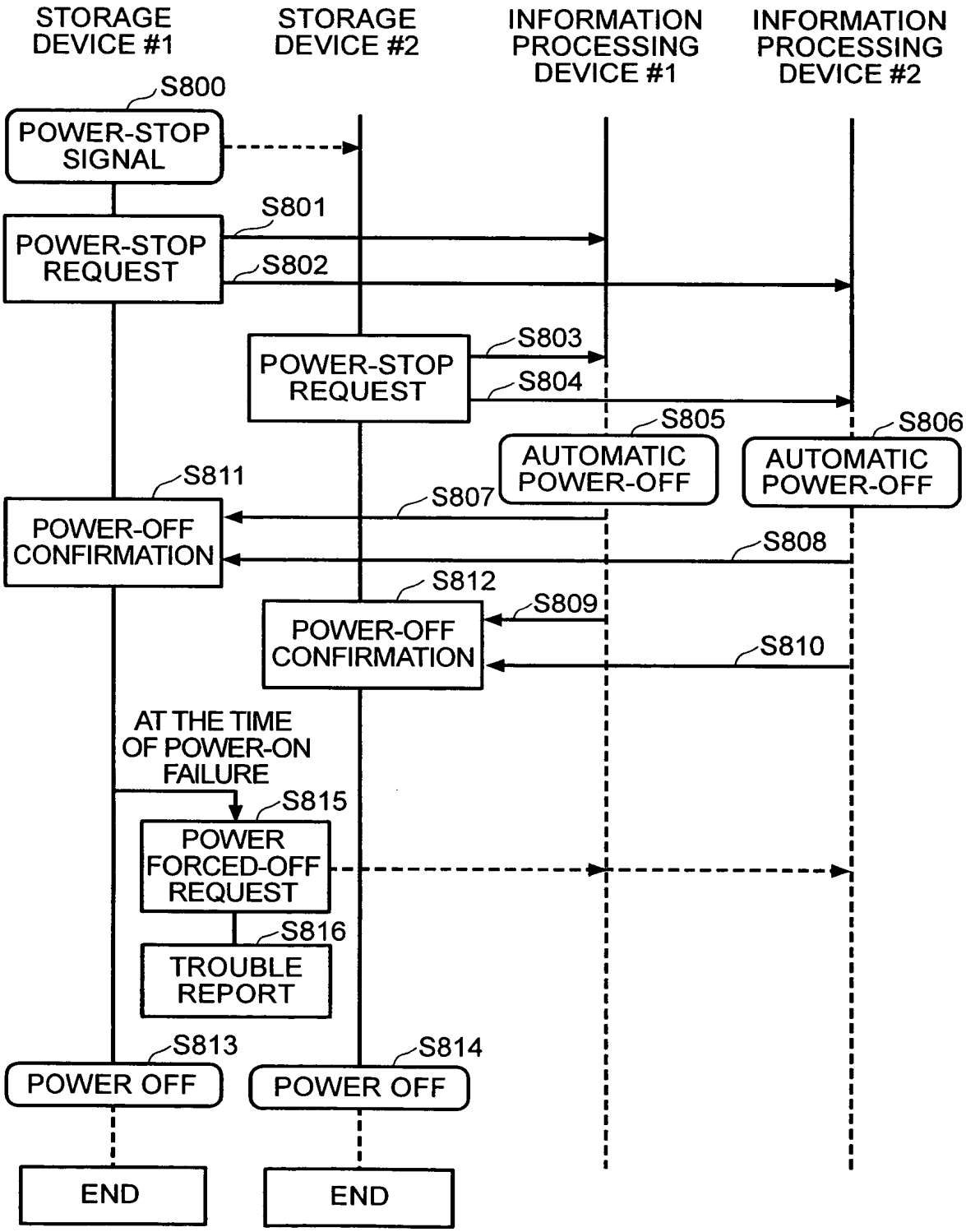

STORAGE DEVICE #1
STORAGE DEVICE #2
INFORMATION PROCESSING DEVICE #1
INFORMATION PROCESSING DEVICE #2
S700
S701
S702
POWER-ON
POWER-ON
S703
POWER-ON CONFIRMATION
S704
POWER-ON REPORT
S705
POWER-ON REQUEST
POWER-ON REQUEST
S706
POWER-ON REQUEST
S707
S709
IP ADDRESS NOTIFICATION
ACTIVATION CONFIRMATION
S708
IP ADDRESS NOTIFICATION
AT THE TIME OF POWER-ON FAILURE
S710
POWER FORCED-OFF REQUEST
S711
TROUBLE REPORT
END

FIG.8


STORAGE DEVICE #1
STORAGE DEVICE #2
INFORMATION PROCESSING DEVICE #1
INFORMATION PROCESSING DEVICE #2
S800
POWER-STOP SIGNAL
S801
POWER-STOP REQUEST
S802
S803
POWER-STOP REQUEST
S804
S805
AUTOMATIC POWER-OFF
S806
AUTOMATIC POWER-OFF
S811
POWER-OFF CONFIRMATION
S807
S808
S812
POWER-OFF CONFIRMATION
S809
S810
AT THE TIME OF POWER-ON FAILURE
S815
POWER FORCED-OFF REQUEST
S816
TROUBLE REPORT
S813
POWER OFF
S814
POWER OFF
END
END